

# Update on recent seismic and paleoseismic activity along the Sumatran plate boundary: A plate boundary on drugs!

Dead jungle trees emplaced in older coral reef in front of the pre-2007 beach and new beach forming out at the water's edge indicate the effects of two cycles of strain accumulation and relief



Uplift of about a meter during the M 8.4 earthquake of Sept 12, 2007, raised most of this coral reef above the low-tide levels, uniting several islets into one



Map of first tsunami danger, based just on elevation above sea level for Padang City



Two coral microatolls documenting uplift in 1833 and submergence in the decades before (left) and uplift in 1797 and submergence before (right)

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